

WHAT IS CLAIMED IS:

1. A television signal receiving apparatus,
comprising:

5 a) reception means for receiving a television
signal;

 b) plural input means for entering program
information data relating to television broadcasting;

 c) display means for displaying an image relating
to the television signal received by said reception
10 means and program information relating to the program
information data entered by said plural input means;

 d) instruction means for instructing display of a
program table; and

 e) control means for controlling said display
15 means in such a manner as to display, according to the
instruction by said instruction means, plural program
information relating to said plural program information
data entered by said plural input means, on a same
image.

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2. An apparatus according to claim 1, wherein
said plural input means are adapted to enter said
program information data from different transmission
paths.

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3. An apparatus according to claim 1, wherein
said plural input means are adapted to enter said

program information data transmitted in superposition with a broadcast wave.

4. An apparatus according to claim 3, wherein
5 said plural input means are adapted to enter said program information data transmitted in superposition with broadcast waves of different frequencies.

5. An apparatus according to claim 1, wherein
10 said plural input means are adapted to enter said program information data transmitted by a telephone line.

6. An apparatus according to claim 1, wherein
15 said plural input means are adapted to enter said program information data transmitted by a cable.

7. An apparatus according to claim 6, wherein
said plural input means are adapted to enter said
20 program information data transmitted by different cables.

8. An apparatus according to claim 1, wherein
said plural input means are adapted to enter said
25 program information data supplied from a memory medium.

9. An apparatus according to claim 1, further

comprising designation means for designating an arbitrary one among said plural input means.

10. An apparatus according to claim 9, wherein
5 said display means includes:

a first mode for displaying first program information relating to said program information data entered from first input means designated by said designation means; and

10 a second mode for displaying plural program information relating to said plural program information data entered by plural input means designated by said designation means, on a same image.

15 11. An apparatus according to claim 10, further comprising switch means for switching said first and second modes.

12. An apparatus according to claim 10, wherein,
20 in said second mode, said control means is adapted to control said display means in such a manner as to select and display said program information data entered by said first input means, from said plural program information data relating to a same program,
25 entered by said plural input means.

13. An apparatus according to claim 1, wherein

14. An apparatus according to claim 13, wherein
said control means is adapted to control said display
means in such a manner as to display the plural program
information relating to said plural program information
data entered by said plural input means, with a
5 variation in the display format corresponding to said
plural input means.

15. An apparatus according to claim 13, wherein
said control means is adapted to control said display
means in such a manner as to display the plural program
information relating to said plural program information
data entered by said plural input means, with a
10 variation in the display color corresponding to said
plural input means.

15. An apparatus according to claim 1, further
comprising:

setting means for setting a search condition; and
search means for searching said program
20 information data matching the search condition set by
said setting means, among said plural program
information data entered by said plural input means;
wherein said control means is adapted to control
said display means in such a manner as to vary the
25 display format of the program information relating to
said program information data, according to the result
of said search.

16. An apparatus according to claim 15, wherein
said control means is adapted to control said display
means in such a manner as to display only the program
information relating to said program information data
5 searched by said search means.

17. A television signal receiving apparatus,
comprising:

- a) reception means for receiving a television
10 signal;
- b) plural input means for entering program
information data relating to television broadcasting;
- c) output means for outputting an image signal to
a display apparatus in order to display an image
15 relating to the television signal received by said
reception means and program information relating to the
program information data entered by said plural input
means;
- d) instruction means for instructing display of a
20 program table; and
- e) control means for controlling said output means
in such a manner as to display, according to the
instruction by said instruction means, plural program
information relating to said plural program information
25 data entered by said plural input means, on a same
image.

18. A television signal receiving method comprising steps of:

receiving a television signal;

entering program information data relating to

5 television broadcasting from plural input means; and

displaying an image relating to said received television signal and program information relating to said entered program information data, the method comprising steps of:

10 instructing display of a program table; and

displaying, according to said instruction, plural program information relating to said plural program information data entered by said plural input means, on a same image.

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19. A data processing apparatus, comprising:

a) input means for entering a television signal and program information data relating to said television signal from each of plural transmission paths;

b) display means for displaying an image relating to said television signal and program information relating to said program information data; and

c) control means for controlling said display means in such a manner as to display plural program information relating to the plural program information data entered from said plural transmission paths, on a

same image.

20. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
5 information data from different transmission paths.

21. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
information data transmitted in superposition with a
10 broadcast wave.

22. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
information data transmitted in superposition with
15 broadcast waves of different frequencies.

23. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
information data transmitted by a telephone line.
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24. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
information data transmitted by a cable.

25. An apparatus according to claim 24, wherein
said input means is adapted to enter said program
information data transmitted by different cables.

26. An apparatus according to claim 19, wherein
said input means is adapted to enter said program
information data supplied from a memory medium.

5 27. An apparatus according to claim 19, wherein
said input means is adapted to enter said television
signal from an external reception apparatus for
receiving said television signal.

10 28. An apparatus according to claim 19, wherein
said input means is adapted to enter said television
signal from plural external reception apparatus for
receiving said television signal.

15 29. An apparatus according to claim 19, further
comprising designation means for designating an
arbitrary one among said plural transmission paths.

20 30. An apparatus according to claim 29, wherein
said display means includes:

 a first mode for displaying first program
information relating to said program information data
entered from a first transmission path designated by
said designation means; and

25 a second mode for displaying plural program
information relating to said plural program information
data entered from plural transmission paths designated

by said designation means, on a same image.

31. An apparatus according to claim 30, further comprising switch means for switching said first and
5 second modes.

32. An apparatus according to claim 30, wherein, in said second mode, said control means is adapted to control said display means in such a manner as to
10 select and display said program information data entered from said first transmission path, from said plural program information data relating to a same program, entered from said plural transmission paths.

15 33. An apparatus according to claim 19, wherein said control means is adapted to control said display means in such a manner as to display the plural program information relating to said plural program information data entered from said plural transmission paths, with
20 a variation in the display format corresponding to said plural transmission paths.

34. An apparatus according to claim 33, wherein said control means is adapted to control said display means in such a manner as to display the plural program information relating to said plural program information data entered from said plural transmission paths, with
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a variation in the display color corresponding to said plural transmission paths.

35. An apparatus according to claim 19, further
5 comprising:

setting means for setting a search condition; and
search means for searching said program
information data matching the search condition set by
said setting means, among said plural program
10 information data entered from said plural transmission
paths;

wherein said control means is adapted to control
said display means in such a manner as to vary the
display format of the program information relating to
15 said program information data, according to the result
of said search.

36. An apparatus according to claim 35, wherein
said control means is adapted to control said display
means in such a manner as to display only the program
20 information relating to said program information data
searched by said search means.

37. A data processing apparatus, comprising:
25 a) input means for entering a television signal
and program information data relating to said
television signal from each of plural transmission

paths;

b) output means for outputting an image signal to a display apparatus for displaying an image relating to said television signal and program information relating 5 to said program information data;

c) instruction means for instructing display of a program table; and

d) control means for controlling said output means in such a manner as to display plural program 10 information relating to the plural program information data entered from said plural transmission paths, on a same image.

38. A data processing method comprising steps of:

15 entering a television signal and program information data relating to said television signal from each of plural transmission paths; and displaying an image relating to said television signal and program information relating to said program 20 information data, the method comprising a step of:

displaying plural program information relating to the plural program information data entered from said plural transmission paths, on a same image.

25 39. A data processing apparatus, comprising:

a) input means for entering first program information data indicating information relating to a

program and second program information data indicating information relating to said program;

5 b) integration means integrating first program information data and second program information data entered by said input means; and

c) display means for displaying program information relating to said first program information data and second program information data integrated by said integration means.

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40. An apparatus according to claim 39, wherein said input means is adapted to enter said first program information data from a first transmission path and said second program information data from a second transmission path.

15 41. An apparatus according to claim 39, wherein said input means is adapted to enter said first or second program information data transmitted in superposition with a broadcast wave.

20 42. An apparatus according to claim 39, wherein said input means is adapted to enter said first or second program information data transmitted by a telephone line.

25 43. An apparatus according to claim 39, wherein

said input means is adapted to enter said first or second program information data transmitted by a cable.

44. An apparatus according to claim 39, wherein
5 said input means is adapted to enter said first or second program information data supplied from a memory medium.

45. An apparatus according to claim 39, wherein
10 said second program information data are detailed information data indicating the detailed information of said program.

46. An apparatus according to claim 45, wherein
15 said second program information data include at least one of a representative scene of said program, a text explaining the outline of said program, name of an acting person, title of a music and a classification of said program.

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47. An apparatus according to claim 39, further comprising:

instruction means for instructing an integrating operation by said integration means; and

25 input control means for controlling said input means in such a manner as to enter said second program information data in response to the instruction by said

instruction means.

48. An apparatus according to claim 47, further comprising:

5 setting means for setting a range of the integrating operation by said integration means;

wherein said input control means is adapted to control input means in such a manner as to enter said second program information data corresponding to the 10 range set by said setting means.

49. An apparatus according to claim 39, further comprising:

15 instruction means for instructing an integration operation by said integration means; and

setting means for setting a range of the integrating operation by said integration means;

wherein said integration means is adapted to integrate said first program information data and said 20 second program information data corresponding to the range set by said setting means.

50. An apparatus according to claim 49, wherein said setting means is adapted to set at least one of a 25 time zone, a channel and a program.

51. An apparatus according to claim 39, wherein

said integration means is adapted to integrate said first program information data and said second program information data in a time zone close to the current time.

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52. An apparatus according to claim 39, wherein said integration means is adapted to integrate said first program information data and said second program information data relating to a currently observed 10 program.

53. An apparatus according to claim 39, further comprising:

15 designation means for designating a range of the integrating operation by said integration means within the information relating to said first program information data and display by said display means;

20 wherein said integration means is adapted to integrate said first program information data and said second program information data according to the designation by said designation means.

25 54. An apparatus according to claim 53, wherein said designation means is adapted to designate at least one of a time zone, a channel and a program.

55. An apparatus according to claim 53, wherein

140 120 110 100 90 80 70 60 50 40 30 20 10
said integration means is adapted to integrate said
first program information data and said second program
information data, in such a manner as to display
program information integrating said first and second
5 program information data in a display frame for
displaying the information relating to said first
program information data and corresponding to the range
designated by said designation means.

10 56. An apparatus according to claim 53, wherein
said integration means is adapted to expand a display
frame for displaying the information relating to said
first program information data and corresponding to the
range designated by said designation means, and to
15 integrate said first program information data and said
second program information data in such a manner as to
display program information integrating said first and
second program information data in said expanded
display frame.

20 57. An apparatus according to claim 39, wherein
said integration means is adapted to extract, from said
second program information data, information for
complementing said first program information data, and
25 to integrate said extracted detailed information data
with said program information data.

58. An apparatus according to claim 39, further comprising:

search condition setting means for setting a search condition;

5 wherein said integration means is adapted to execute search in said second program information data according to the search condition set by said search condition setting means, and to integrate the second program information data of the result of said search
10 with said first program information data.

59. An apparatus according to claim 58, wherein said search condition includes for example name of an acting person, title of a music, title of program, a
15 classification of program etc.

60. An apparatus according to claim 39, wherein said integration means is adapted to execute search on said second program information data according to a predetermined search condition, and to integrate said second program information data of the result of said search with said first program information data.
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61. An apparatus according to claim 60, wherein said search condition includes for example name of an acting person, title of a music, title of program, a
25 classification of program etc.

62. A data processing apparatus, comprising:

- a) input means for entering first program information data indicating information relating to a program and second program information data indicating information relating to said program;
- b) integration means integrating first program information data and second program information data entered by said input means; and
- c) output means for outputting, to a display apparatus, for displaying program information relating to said first program information data and second program information data integrated by said integration means.

15 63. A data processing method comprising steps of:

- entering first program information data indicating information relating to a program and second program information data indicating information relating to said program;
- integrating said entered first program information data and second program information data; and
- displaying, on a display apparatus, program information relating to said integrated first program information data and second program information data.

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64. A data processing apparatus, comprising:

- a) input means for entering first program

information data indicating information relating to a program and second program information data indicating information relating to said program;

- b) integration means for integrating said first program information data and said second program information data entered by said input means;
- c) instruction means for instructing an integrating operation by said integration means; and
- d) input control means for controlling said input means in such a manner as to enter said second program information data according to the instruction by said instruction means.